

Amendments to the Claims:

Please cancel claims 1 and 4 without prejudice or disclaimer of the subject matter thereof, amend claim 2 and rewrite claim 3 in independent form as follows.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (canceled)

2. (currently amended) The servo pattern recording method according to claim-4 3, wherein the second servo pattern and the position information of the head detected in the second servo pattern recording step are recorded on the magnetic disk in a plurality of areas which are arranged in a circumferential direction of the magnetic disk and are separated by data areas.

3. (currently amended) ~~The A~~ servo pattern recording method ~~according to claim 1~~, wherein for recording a servo pattern, to be used for detecting position information of a head on a magnetic disk mounted on a magnetic disk unit, on the magnetic disk by use of the head having a write element for writing information on the magnetic disk and a read element for reading information from the magnetic disk, comprising the steps of:

recording a first servo pattern for detecting position information of the head;  
and

recording a second servo pattern by detecting the position information of the head based on the recorded first servo pattern and by positioning the head to a target position based on the detected position information;

wherein position information of the head detected in the second servo pattern recording step is recorded on the magnetic disk; and

wherein the position information of the head detected in the second servo pattern recording step is recorded on the magnetic disk during the second servo pattern recording step.

Claim 4 (canceled)

5. (original) A servo pattern recording apparatus for recording a servo pattern to be used for detecting position information of a head on a magnetic disk load on a magnetic disk unit, on the magnetic disk by use of the head having a write element for writing information on the magnetic disk and a read element for reading information from the magnetic disk, comprising:

means for recording a first servo pattern for detecting position information of the head; and

means for detecting the position information of the head based on the recorded first servo pattern and recording a second servo pattern for positioning the head to a target position based on the detected position information, position information of the head detected in the second servo pattern recording means being recorded on the magnetic disk.